

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
 Data File : VL031265.D
 Acq On : 20 Dec 2017 11:12
 Operator : SY/AP
 Sample : VL1220ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABL01

Quant Time: Dec 22 03:54:28 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1709660	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	4088638	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4064660	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3233938	11.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.90%

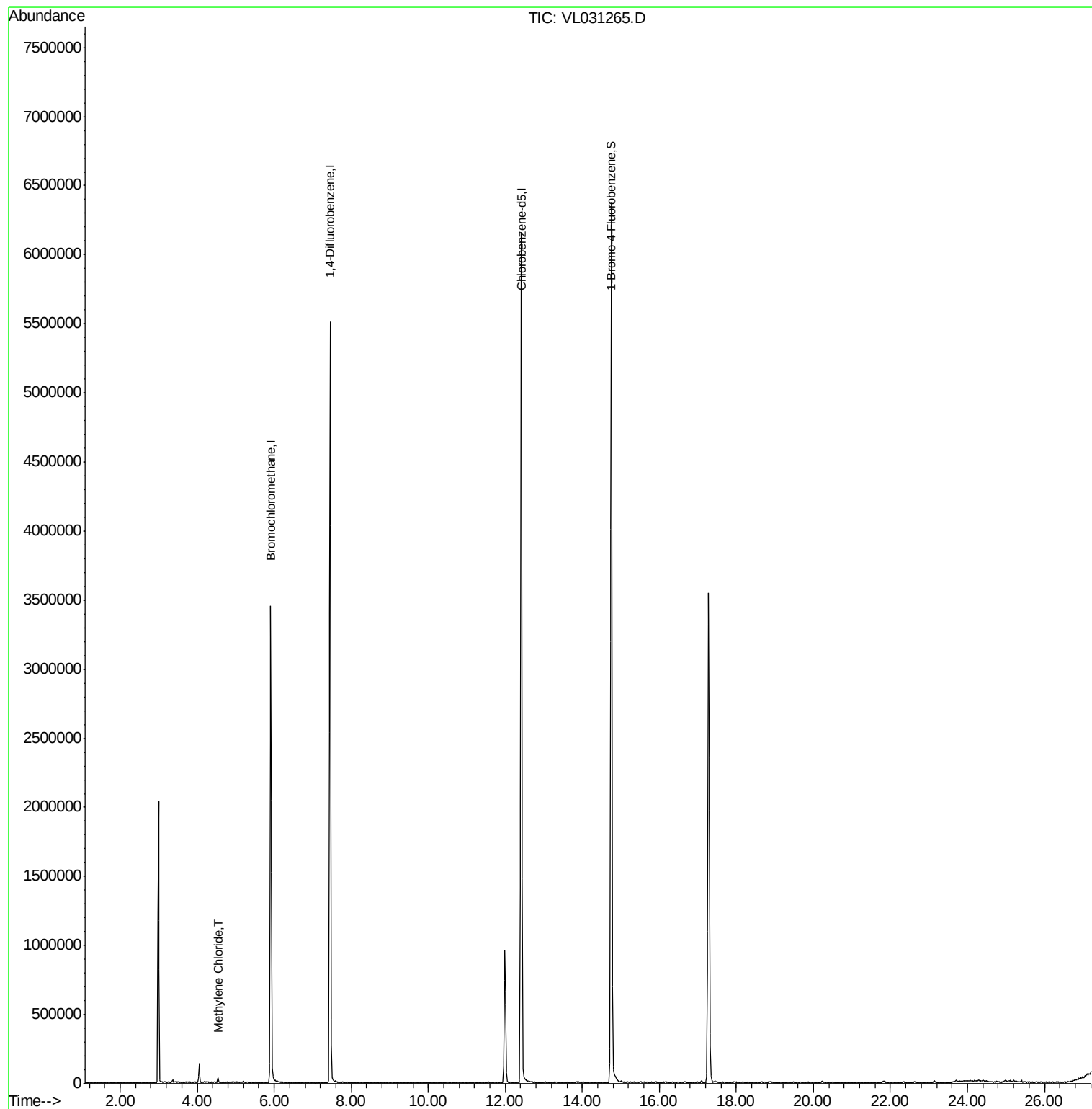
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.54	84	12215	0.16	ppbv	# 80

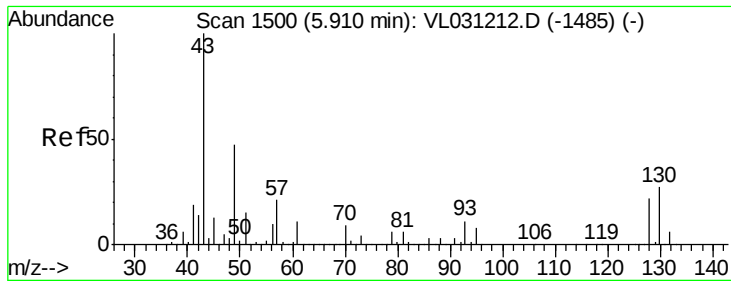
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL031265.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

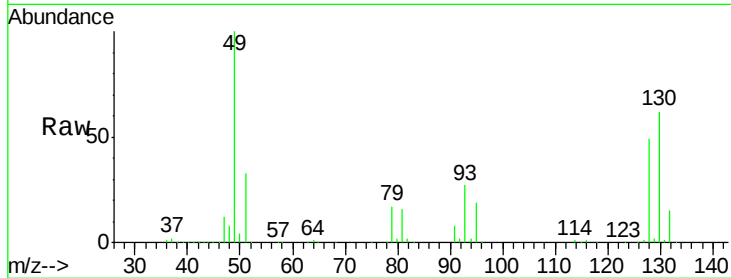
Tot Ion: 49 Resp: 1709660

Ion Ratio Lower Upper

49 100

128 47.5 23.2 69.5

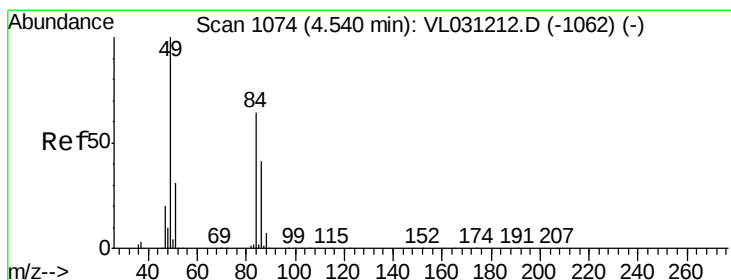
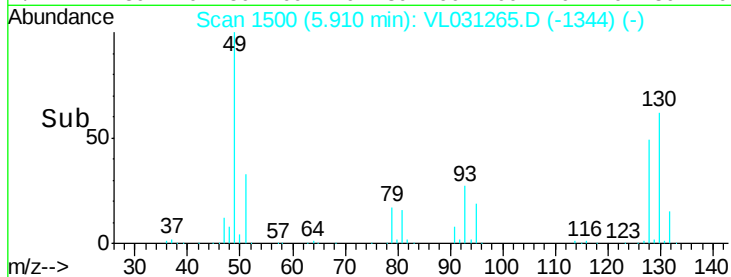
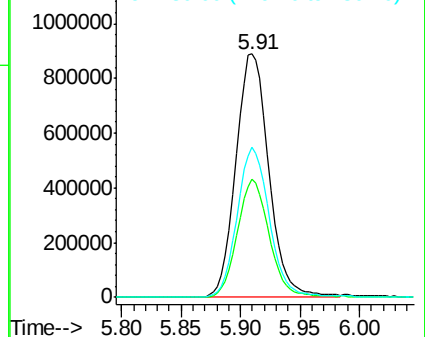
130 61.0 29.6 88.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.16 ppbv

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VL031265.D

Acq: 20 Dec 2017 11:12

Tgt Ion: 84 Resp: 12215

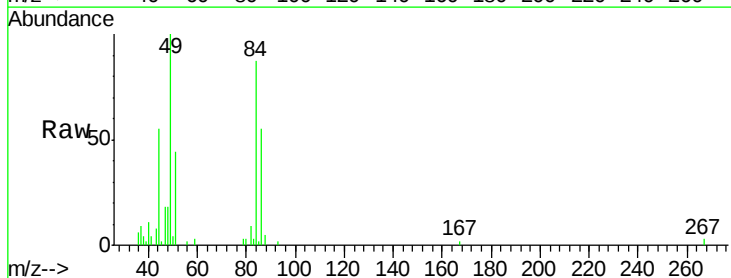
Ion Ratio Lower Upper

84 100

49 114.3 125.8 188.6#

51 50.5 39.3 58.9

86 63.1 51.1 76.7

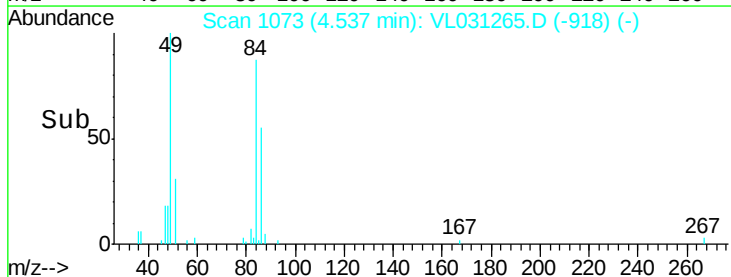
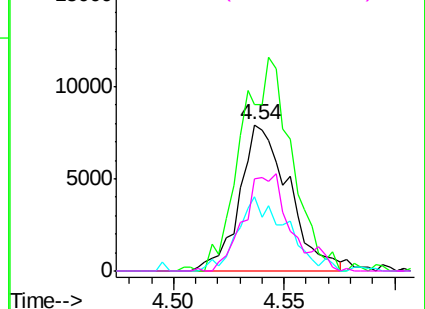


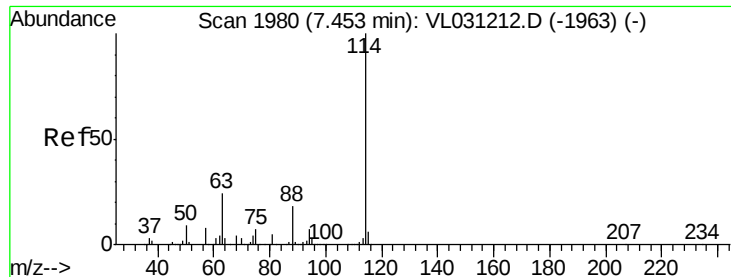
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

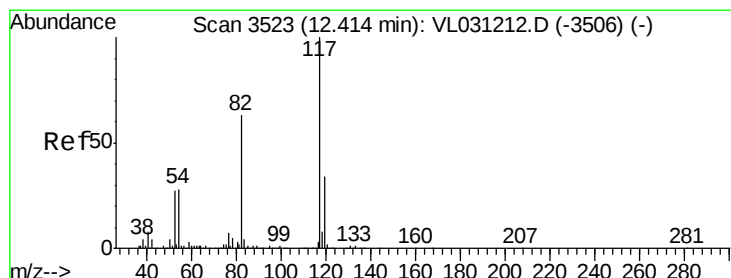
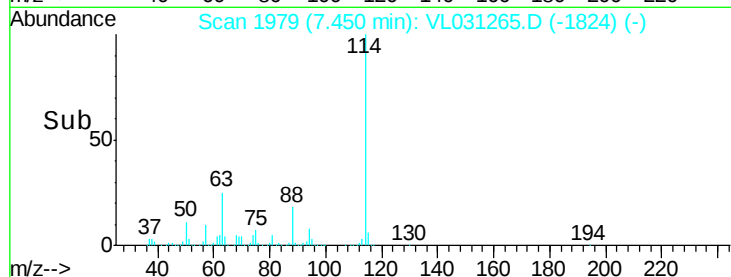
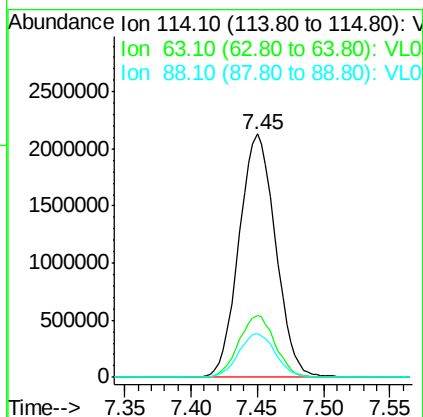
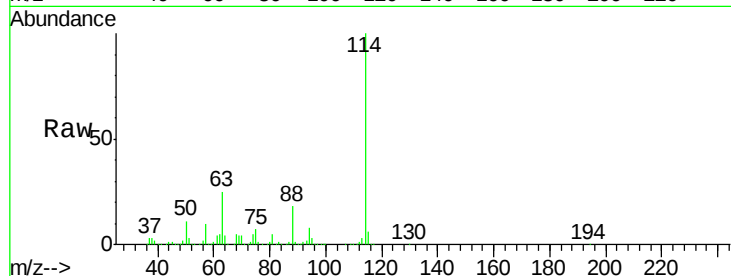




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VL031265.D
 Acq: 20 Dec 2017 11:12

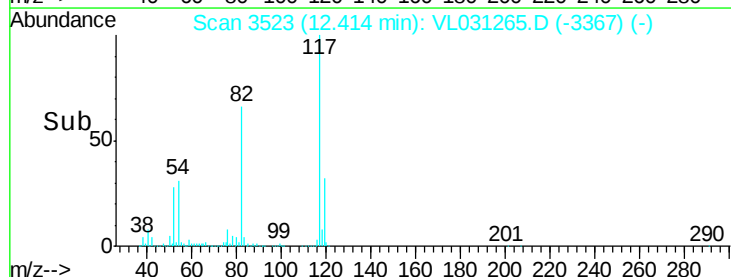
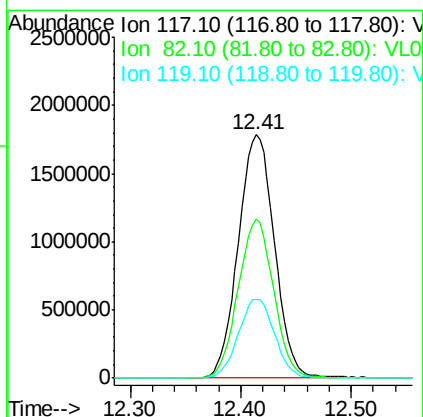
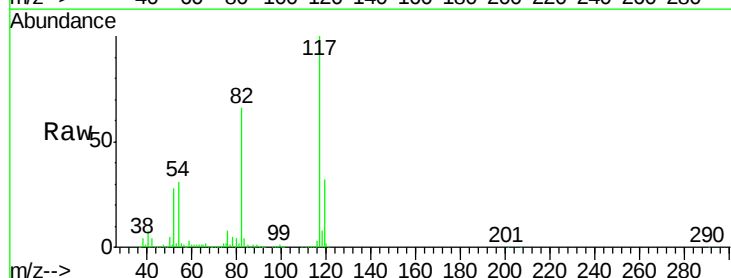
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABL01

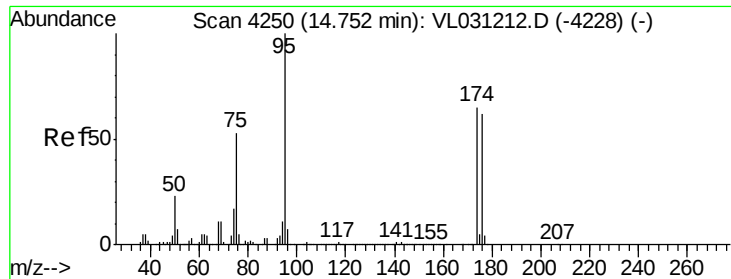
Tot Ion:114 Resp: 4088638
 Ion Ratio Lower Upper
 114 100
 63 25.4 19.8 29.8
 88 18.0 14.2 21.4



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.41 min Scan# 3523
 Delta R.T. 0.00 min
 Lab File: VL031265.D
 Acq: 20 Dec 2017 11:12

Tgt Ion:117 Resp: 4064660
 Ion Ratio Lower Upper
 117 100
 82 64.4 48.1 72.1
 119 32.9 23.1 34.7





#68

1-Bromo-4-Fluorobenzene

Concen: 11.19 ppbv

RT: 14.75 min Scan# 4250

Delta R.T. -0.00 min

Lab File: VL031265.D

Acq: 20 Dec 2017 11:12

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABL01

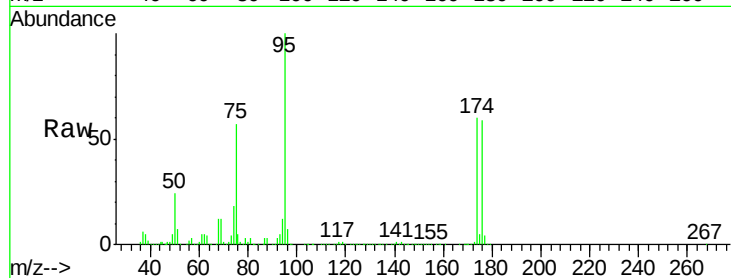
Tot Ion: 95 Resp: 3233938

Ion Ratio Lower Upper

95 100

174 62.5 52.5 78.7

175 4.6 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

